Search Results

Search Results for: [control and fuzzy and (pid or pi) and computer and (buffer)]
Found 44 of 95,430 searched. → Rerun within the Portal

Search within Results

> Advanced Search | > Search Help/Tips

Sort by: Title Publication Publication Date Score Binder

Results 1 - 20 of 44 short listing

Prev Page 1 2 3 Next Page

1 ARIES 84%
C. Mohan , Don Haderle , Bruce Lindsay , Hamid Pirahesh , Peter Schwarz
ACM Transactions on Database Systems (TODS) March 1992
Volume 17 Issue 1
DB2TM, IMS, and TandemTM systems. ARIES is applicable not only to database management systems but also to persistent object-oriented languages, recoverable file systems and transaction-based operating systems. ARIES has been implemented, to varying degrees, in IBM's OS/2TM Extended Edition Database Manager, DB2, Workstation Data Save Facility/VM, Starburst and QuickSilver, and in the University of Wisconsin's EXODUS and Gamma d ...

2 A QoS-Provisioning neural fuzzy connection admission controller for multimedia high-speed networks 82%
Ray-Guang Cheng , Chung-Ju Chang , Li-Fong Lin
IEEE/ACM Transactions on Networking (TON) February 1999
Volume 7 Issue 1

3 Searching in metric spaces 80%

Edgar Chávez , Gonzalo Navarro , Ricardo Baeza-Yates , José Luis Marroquín
ACM Computing Surveys (CSUR) September 2001
Volume 33 Issue 3

The problem of searching the elements of a set that are close to a given query element under some similarity criterion has a vast number of applications in many branches of computer science, from pattern recognition to textual and multimedia information retrieval. We are interested in the rather general case where the similarity criterion defines a metric space, instead of the more restricted case of a vector space. Many solutions have been proposed in different areas, in many cases without cros ...

4 A gamma-based framework for modeling variable-rate MPEG video sources 80%
Michael Frey , Son Nguyen-Quang
IEEE/ACM Transactions on Networking (TON) December 2000
Volume 8 Issue 6

5 Segmented fuzzy checkpointing for main memory databases 80%
Jun-Lin Lin , Margaret H. Dunham
Proceedings of the 1996 ACM symposium on Applied Computing February 1996

6 Principles of transaction-oriented database recovery 80%
Theo Haerder , Andreas Reuter
ACM Computing Surveys (CSUR) December 1983
Volume 15 Issue 4

7 Design of a fuzzy traffic controller for ATM networks 80%
Ray-Guang Cheng , Chung-Ju Chang
IEEE/ACM Transactions on Networking (TON) June 1996
Volume 4 Issue 3

8 Real-time simulation of dust behavior generated by a fast traveling vehicle 80%
Jim X. Chen , Xiadong Fu , J. Wegman
ACM Transactions on Modeling and Computer Simulation (TOMACS) April 1999
Volume 9 Issue 2

Simulation of physically realistic complex dust behavior is very useful in training, education, art, advertising, and entertainment. There are no published models for real-time simulation of dust behavior generated by a traveling vehicle. In this paper, we use

particle systems, computational fluid dynamics, and behavioral simulation techniques to simulate dust behavior in real time. First, we analyze the forces and factors that affect dust generation and the behavior after dust particles ar ...

9 An efficient radiosity solution for bump texture generation 77%

Hong Chen , En-Hua Wu

ACM SIGGRAPH Computer Graphics , Proceedings of the 17th annual conference on Computer graphics and interactive techniques September 1990

Volume 24 Issue 4

10 Development of an APL standard 77%

A. D. Falkoff , D. L. Orth

ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL: part 2 May 1979

Volume 9 Issue 4

Following an extended period of development, with more than half a dozen iterations, a standard for APL was not long ago adopted for use within IBM. In this paper we offer some highlights of our experience in this development process, as well as an appendix containing the technical matter in the standard itself. If a standards effort should get under way in the wider APL community, this experience and its work product may perhaps be found useful, and it is offered here in recognition of thi ...

11 Static synchronization beyond VLIW 77%

H. Dietz , T. Schwederski , M. O'Keefe , A. Zaafrani

Proceedings of the 1989 conference on Supercomputing August 1989

A key advantage of SIMD (Single Instruction stream, Multiple Data stream) architectures is that synchronization is effected statically at compile-time, hence the execution-time cost of synchronization between “processes” is essentially zero. VLIW (Very Long Instruction Word) machines are successful in large part because they preserve this property while providing more flexibility in terms of what kinds of operations can be parallelized. In this paper, we propose a new kind of ar ...

12 Region growing on a hypercube multiprocessor 77%

M. Willebeek-LeMair , A. P. Reeves

Proceedings of the third conference on Hypercube concurrent computers and applications - Volume 2 January 1989

The region growing paradigm for image segmentation groups neighboring pixels into regions depending upon a predetermined homogeneity criteria. A parallel method for region growing on an

MIMD multiprocessor system is presented. Since the region growing problem exhibits non-uniform and unpredictable load fluctuations, it requires a dynamic load balancing scheme to achieve a balanced load distribution. The results of implementing a parallel region growing algorithm on the Intel-iPSC hypercube ...

13 Performance evaluation of global reading of entire databases 77%

C. Pu , C. H. Hong , J. M. Wha
Proceedings of the first international symposium on Databases in parallel and distributed systems January 2000

Using simulation and probabilistic analysis, we study the performance of an algorithm to read entire databases with locking concurrency control allowing multiple readers or an exclusive writer. The algorithm runs concurrently with the normal transaction processing (on-the-fly) and locks the entities in the database one by one (incremental). The analysis compares different strategies to resolve the conflicts between the global read algorithm and update. Since the algorithm i ...

14 Design of the x-kernel 77%

N. Hutchinson , L. Peterson
ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures and protocols August 1988
Volume 18 Issue 4

The x-kernel is a configurable operating system kernel designed to support experimentation in interprocess communication and distributed programming. The x-kernel's underlying architecture provides a rich set of abstractions that are used to construct and compose communication protocols. The architecture is interesting because the abstractions are both general enough to accommodate a wide range of protocols and efficient enough to provide a useful testbed i ...

15 Columns: Risks to the public in computers and related systems 77%

Peter G. Neumann
ACM SIGSOFT Software Engineering Notes January 2001
Volume 26 Issue 1

16 Access methods for text 77%

Chris Faloutsos
ACM Computing Surveys (CSUR) March 1985
Volume 17 Issue 1

This paper compares text retrieval methods intended for office

systems. The operational requirements of the office environment are discussed, and retrieval methods from database systems and from information retrieval systems are examined. We classify these methods and examine the most interesting representatives of each class. Attempts to speed up retrieval with special purpose hardware are also presented, and issues such as approximate string matching and compression are discussed. A quali ...

17 Weighted proportional window control of TCP traffic 77%
James Aweya , Michel Ouellette , Delfin Y. Montuno
International Journal of Network Management July 2001
Volume 11 Issue 4
This article describes a technique for weighted proportional window control of elastic traffic such as that generated by TCP. This is achieved through the modification of the receiver's advertised window of TCP connections sharing the bottleneck link while taking into account the price that each user of a connection has paid for the service and the total number of active connections sharing the bottleneck link. Copyright © 2001 John Wiley & Sons, Ltd.

18 Formal synthesis and code generation of embedded real-time software 77%
Pao-Ann Hsiung
Proceedings of the ninth international symposium on Hardware/software codesign April 2001

19 Techniques for Structuring Database Records 77%
Salvatore T. March
ACM Computing Surveys (CSUR) January 1983
Volume 15 Issue 1

20 High performance data mining (tutorial PM-3) 77%
Vipin Kumar , Mohammed Zaki
Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining August 2000

Search Results

Search Results for: [control and fuzzy and (pid or pi) and computer and (buffer)]
Found 44 of 95,430 searched. → Rerun within the Portal

Search within Results

21 System synthesis for multiprocessor embedded applications 77%
Luigi Carro , Márcio Kreutz , Flávio R. Wagner , Márcio Oyamada
Proceedings of the conference on Design, automation and test in Europe January 2000

22 Hierarchical fuzzy configuration of implementation strategies 77%
Angela Sodan , Vicenç Torra
Proceedings of the 1999 ACM symposium on Applied computing February 1999

23 Tempest and typhoon 77%
Steven K. Reinhardt , James R. Larus , David A. Wood
25 years of the international symposia on Computer architecture (selected papers) August 1998

24 HiPART 77%
Thomas Hollstein , Jürgen Becker , Andreas Kirschbaum , Manfred Glesner
Proceedings of the sixth international workshop on Hardware/software codesign March 1998

25 Real-time block transfer under a link-sharing hierarchy 77%
Geoffrey G. Xie , Simon S. Lam
IEEE/ACM Transactions on Networking (TON) February 1998
Volume 6 Issue 1

26 On the optimization of QOS in ATM networks 77%
Eltayeb Abuelyaman , Anup Kuzhiyil , Karam Mossaad
Proceedings of the 36th annual conference on Southeast regional conference April 1998

27 Xmas 77%
Sang Kyun Cha , Jang Ho Park , Byoung Dae Park
Proceedings of the sixth international conference on Information and knowledge management January 1997

28 On saying “Enough already!” in SQL 77%
Michael J. Carey , Donald Kossmann
ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data June 1997
Volume 26 Issue 2
In this paper, we study a simple SQL extension that enables query writers to explicitly limit the cardinality of a query result. We examine its impact on the query optimization and run-time execution components of a relational DBMS, presenting two approaches—a Conservative approach and an Aggressive approach—to exploiting cardinality limits in relational query plans. Results obtained from an empirical study conducted using DB2 demonstrate the benefits of the SQL extensio ...

29 Exploration of hardware/software design space through a codesign of robot arm controller 77%
M. Abid , A. Changuel , A. Jerraya
Proceedings of the conference with EURO-VHDL'96 and exhibition on European Design Automation September 1996

30 An evaluation of memory consistency models for shared-memory systems with ILP processors 77%
Vijay S. Pai , Parthasarathy Ranganathan , Sarita V. Adve , Tracy Harton
ACM SIGOPS Operating Systems Review , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems October 1996

Volume 30 Issue 5

31 On hop-by-hop rate-based congestion control 77%
Partho Pratim Mishra , Hemant Kanakia , Satish K. Tripathi
IEEE/ACM Transactions on Networking (TON) April 1996
Volume 4 Issue 2

32 Principles of database buffer management 77%
Wolfgang Effelsberg , Theo Haerder
ACM Transactions on Database Systems (TODS) November 1984
Volume 9 Issue 4
This paper discusses the implementation of a database buffer manager as a component of a DBMS. The interface between calling components of higher system layers and the buffer manager is described; the principal differences between virtual memory paging and database buffer management are outlined; the notion of referencing versus addressing of database pages is introduced; and the concept of fixing pages in the buffer to prevent uncontrolled replacement is explained. Three basic t ...

33 Tempest and typhoon 77%
S. K. Reinhardt , J. R. Larus , D. A. Wood
ACM SIGARCH Computer Architecture News , Proceedings of the 21ST annual international symposium on Computer architecture April 1994
Volume 22 Issue 2

34 A comparative study of fuzzy versus “fixed” thresholds for robust queue management in cell-switching networks 77%
Allen R. Bonde , Sumit Ghosh
IEEE/ACM Transactions on Networking (TON) August 1994
Volume 2 Issue 4

35 A hypothesis refinement method for summary discovery in databases 77%
Do Heon Lee , Myoung Ho Kim
Proceedings of the second international conference on Information and knowledge management December 1993

36 High-level synthesis in a rapid-prototype environment for mechatronic systems 77%
N. Wehn , H.-J. Herpel , T. Hollstein , P. Poechmueller , M. Glesner

Proceedings of the conference on European Design Automation November 1992

37 Fast algorithms for volume ray tracing 77%
John Danskin , Pat Hanrahan
Proceedings of the 1992 workshop on Volume visualization December 1992

38 Interactive visualization of flow fields 77%
Allen Van Gelder , Jane Wilhelms
Proceedings of the 1992 workshop on Volume visualization December 1992

39 Integrated visualization of brain anatomy and cerebral blood vessels 77%
Dirk Vandermeulen , Peter Plets , Steven Ramkers , Paul Suetens , Guy Marchal
Proceedings of the 1992 workshop on Volume visualization December 1992

40 Turnable formalism in object-oriented systems analysis 77%
Stephen W. Clyde , David E. Embley , Scott N. Woodfield
ACM SIGPLAN Notices , conference proceedings on Object-oriented programming systems, languages, and applications October 1992 Volume 27 Issue 10

Search Results

Search Results for: [control and fuzzy and (pid or pi) and computer and (buffer)]
Found 44 of 95,430 searched. → Rerun within the Portal

Search within Results

41 ARIES/IM: an efficient and high concurrency index management method using write-ahead logging 77%
C. Mohan , Frank Levine
ACM SIGMOD Record , Proceedings of the 1992 ACM SIGMOD international conference on Management of data June 1992
Volume 21 Issue 2

This paper provides a comprehensive treatment of index management in transaction systems. We present a method, called ARIESIIM (Algorithm for Recovery and Isolation Exploiting Semantics for Index Management), for concurrency control and recovery of B+-trees. ARIES/IM guarantees serializability and uses write-ahead logging for recovery. It supports very high concurrency and good performance by (1) treating as the lock of a key the same lock as the one on the ...

42 An efficient antialiasing technique 77%
Xiaolin Wu
ACM SIGGRAPH Computer Graphics , Proceedings of the 18th annual conference on Computer graphics and interactive techniques July 1991
Volume 25 Issue 4

43 A control-theoretic approach to flow control 77%
Srinivasan Keshav
ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Communications architecture & protocols August 1991
Volume 21 Issue 4

44 Virtualizing the VAX architecture 77%
Judith S. Hall , Paul T. Robinson
ACM SIGARCH Computer Architecture News , Proceedings of the 18th annual international symposium on Computer architecture April 1991

Volume 19 Issue 3